BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Modified Estimate for Improvements of Drains and Asphalting to 1st Cross at C[illegible] Layout in Ward No. 08, Kodigehalli Sub Division. (Change of Place: Kodigehalli Village Surroundings).

							Estimate Cost Rs.		1149013.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 152/ Item No. 19.1/ PWD SR 2012-13**	Cum							
			Not Executed				0.00		
							0.00	85.04	**0.00**
2	Removing B.S Slab of Drain and stacking **Page No. 28 / Item No. 5.32/ PWD SR 2012-13**	Sqm							
			Not Executed				0.00	TP	
							0.00	46.69	**0.00**
3	Refixing stone slabs of drains and pointing in C.M (1:3) **Page No. 28 / Item No. 5.33/ PWD SR 2012-13**	Sqm							
	Conside 80%		Qty Vide Item No. 2				0.00	TP	
							0.00	66.14	**0.00**
4	KSRRB 300-3 : Earthwork excavation and forming in embankemnt by manual means in Hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3 **Page No. 152 / Item No. 19.2 / PWD SR 2012-13**	Cum							
	CC Drain		1	60.00	0.90	0.75	40.50		
			1	42.00	0.90	0.75	28.35		
	CC Road		1	60.00	3.50	0.20	42.00		
			1	42.00	3.80	0.20	31.92	TP	
							142.77	117.92	**16835.00**
5	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete7.5 cms thick **Page No. 28 / Item No. 5.31.1/ PWD SR 2012-13**	Sqm							
			Not Executed				0.00	TP	
							0.00	331.10	**0.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
6	Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications **(P.170 / I.20.18) PWD SR - 2012-13.**	Cum							
			Not Executed				0.00		
							0.00	1112.35	**0.00**
7	KSRRB M500-6: Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH specification NO. 502, **Page No. 175 / Item No. 21.6/ PWD SR 2012-13**	Sqm							
			Not Executed				0.00		
							0.00	41.62	**0.00**
8	KSRRB M500-18: Providing and laying **semi dense bituminous concrete** 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. **With 80/100 grade bitumen, No. 178/ Item No. 21.20.1 / PWD SR 2012-13**	Cum							
	For CC Road		Not Exeucted				0.00		
							0.00	9269.57	**0.00**
9	KSRRB M800-13: Road marking with hot applied thermoplastic compound with reflect rising glass beads on bituminous surface-providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface to level, uniform and free from streaks and holes complete as per specifications. MORTH specification No. 803, **No. 193/ Item No. 24.15PWD SR 2012-13**	Sqm							
			Not Exeucted				0.00		
							0.00	451.29	**0.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
10	KSRRB M800-35: providing and fixing or road stub 100 x 100 mm, die cast in aluminum, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or Asphaltic Surface by drilling hoel 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout of epoxy mortar, all as per BS:873 part 4:1973 complete as per specifications, **No. 171/ Item No. 24.41/ PWD SR 2012-13**	Nos							
			Not Exeucted					TP	
							0.00	303.88	**0.00**
11	KSRRB M800-2: Retro- Re flectorised traffic signs: providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC : 67 made of high intensity grade sheeting vide clause 800.1.3 fixed over aluminum sheeting, 1.5 mm thick supported on a mild steel angle iron post 75mm x 75mm 6mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45cm x 45cm x 60 cm, 60cm below ground level as per approved drawing complete as per specifications MORTH specification No. 801, **No. 165/ Item No. 24.2.6/ PWD SR 2012-13**	Nos							
			Not Exeucted					TP	
							0.00	3365.39	**0.00**
12	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs** using **40mm** and down size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, **in foundation and plinth**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **Page No. 12 / Item No. 4.3 PWD SR - 2012-13**	Cum							
	CC Drain		1	60.00	0.75	0.15	6.75		
			1	42.00	0.75	0.15	4.73		
	CC Road		1	60.00	3.50	0.15	31.50		
			1	42.00	3.80	0.15	23.94		
	Total Executed Qty						**66.92**		
	Total Executed Qty upto 125%						**1.95**	4078.61	**7953.00**
	Total Executed Qty Above 125%						**64.97**	5088.91	**330601.00**
	PWD SR 2014-15 Basic Rate	4488.00							
	Area Weightage @ 8%	359.04							
	Total	**4847.04**							
	Add Tende Premium@ 4.99%	**241.87**							
	Total	**5088.91**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
13	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum wuth superplastisier @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, wall** (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6 **Page No. 13 / Item No. 4.11 PWD SR - 2012-13**	Cum							
	CC Drain Bottom		1	60.00	0.75	0.15	6.75		
			1	42.00	0.75	0.15	4.73		
	Side Walls		2	60.00	0.15	0.45	8.10		
			2	42.00	0.15	0.45	5.67		
	Covering Slab		1	60.00	0.75	0.10	4.50		
			1	42.00	0.75	0.10	3.15		
	CC Road		1	60.00	3.50	0.15	31.50		
			1	42.00	3.80	0.15	23.94		
	Total Executed Qty						**88.34**	TP	
	Total Executed Qty upto 125%						**8.65**	5500.51	**47579.00**
	Total Executed Qty Above 125%						**79.69**	6365.51	**507236.00**
	PWD SR 2014-15 Basic Rate	5616.00							
	Area Weightage @ 8%	449.28							
	Total	**6065.28**							
	Add Tende Premium@ 4.95%	**300.23**							
	Total	**6365.51**							
14	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface** such as **walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No.17 / Item No. 4.31 PWD SR - 2012-13**	Sqm							
	CC Drain Side Walls		4	60.00		0.45	108.00		
			4	42.00		0.45	75.60		
			1	60.00	0.45		27.00		
			1	42.00	0.45		18.90		
	Total Executed Qty						**229.50**		
	Total Executed Qty upto 125%						**36.56**	256.26	**9370.00**
	Total Executed Qty Above 125%						**192.94**	307.28	**59287.00**
	PWD SR 2014-15 Basic Rate	271.00							
	Area Weightage @ 8%	21.68							
	Total	**292.68**							
	Add Tende Premium@ 4.99%	**14.60**							
	Total	**307.28**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
15	KSRB 4.9.2: Providing **TMT steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19 / Item No. 4.46.2 PWD SR 2012-13**	Qntl							
	Consider 60 Kg/Cum		0.60	32.90			19.74		
	Total Executed Qty						**19.74**		
	Total Executed Qty upto 125%						**8.65**	7688.92	**66509.00**
	Total Executed Qty Above 125%						**11.09**	8370.60	**92805.00**
	PWD SR 2014-15 Basic Rate	7385.00							
	Area Weightage @ 8%	590.80							
	Total	**7975.80**							
	Add Tende Premium@ 4.95%	**394.80**							
	Total	**8370.60**							
16	KSRRB M100-1: Loading and Unloading of stone boulder / stone aggregates / sand / kanker / moorum, KSRRB M100-1 : placing tipper at loading point, loading with front and loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH chapter 1, **Page No. 117/ Item No. 17.1/ PWD SR 2012-13**	Cum							
			Vide Item No. 1				**142.77**	TP	
							142.77	75.91	**10838.00**
								Total	**1149013.00**
(Rupees Eleven Lakhs Fourty Nine Hundred and Thirteen Only)									

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2012-13 and 2014-15.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

D.k madhu sudhan
Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Modified
Technical Sanction for Rs.
11.49 Lakhs
Eleven lakhs forty Nine thousand
only
P1771
Registered as EE No. ... Dated ... Subject to conditions contained endorsed memo.
No: 329 Dt: 16/10/15
AE/JE
EE (BTP.Div.)